Clouds Practical Assignments 3 and 4 (Translated)

# Practical Assignment 3: AWS CLI and CloudShell

## Task 1: Using AWS CLI to View Users and Groups

Objective:  
To get familiar with AWS CLI and learn how to retrieve information about users and groups in IAM.  
  
Steps:  
1. Open AWS CLI (locally or via CloudShell).  
2. Run the command to view the list of users:  
 aws iam list-users  
3. Run the command to view the list of groups:  
 aws iam list-groups  
4. Make sure that the output displays information about existing users and groups.  
  
Result to be submitted:  
- Screenshot of the AWS CLI window showing the result of the list-users command.  
- Screenshot of the AWS CLI window showing the result of the list-groups command.

## Task 2: Working with CloudShell and File Structure

Objective:  
To get familiar with CloudShell and learn how to create a folder and file structure in the AWS environment.  
  
Steps:  
1. Log in to the AWS Management Console and open the CloudShell service.  
2. Create the folder and file structure using the following commands:  
 mkdir testFolder  
 mkdir testFolder/testSubFolder1  
 mkdir testFolder/testSubFolder2  
 echo "Hello from test.txt" > test.txt  
 echo "Hello from test1.txt" > test1.txt  
 echo "Hello from test3.txt" > testFolder/test3.txt  
  
Final structure should look like this:  
test.txt  
test1.txt  
testFolder/  
 ├── testSubFolder1/  
 ├── testSubFolder2/  
 └── test3.txt  
  
3. Verify created files and folders with:  
 ls -R  
4. Display the content of test3.txt using:  
 cat testFolder/test3.txt  
  
Result to be submitted:  
- Screenshot from CloudShell showing the folder and file structure.  
- Screenshot from CloudShell showing the content of test3.txt.

# Practical Assignment 4: EC2 Instances and Automation

## Task 1: Launch Amazon Linux Instance in EC2

Set up a User Data script (script content is in EC2Script.txt) to automatically start a web server.  
Go to the instance's IP address and verify that the web server is running.  
  
Result to be submitted:  
- Screenshot from a browser showing that the server is working.  
- Screenshot from EC2 showing instance information.  
  
Note: Don't forget to delete the Amazon Linux instance after completing the task!

## Task 2: Launch Windows Instance in EC2

Result to be submitted:  
- Screenshot from EC2 showing instance information.  
  
Note: Don't forget to delete the Windows instance after completing the task!

## Task 3: File Creation Inside Windows Instance

Inside the Windows instance, create two folders: 'first' and 'second'.  
Inside the 'second' folder, create a file called test.txt with the content: test data  
  
Result to be submitted:  
- Screenshot from RDP (Remote Desktop Protocol) showing the folder structure and file content.  
  
Note: Don't forget to delete the Windows instance after completing the task!

## Task 4: Online Test

Take the test at the following link: https://forms.gle/4UJLow728CywdTu26